

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re application of:** John F. Wager III et al.

**Application No.:** To be assigned

**Filed:** Herewith

**Confirmation No.:** To be assigned

**For:** POLYCRYSTALLINE THIN-FILM SOLAR  
CELLS

**Examiner:** To be assigned

**Art Unit:** To be assigned

**Attorney Reference No.:** 245-65853-02

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as Express Mail Label No. EV514608276US in an envelope addressed to: MAIL STOP PCT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney

for Applicant(s)

*Wayne L. Rypert*

Date Mailed

December 7, 2004

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**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 C.F.R. § 1.97(b)(2)**

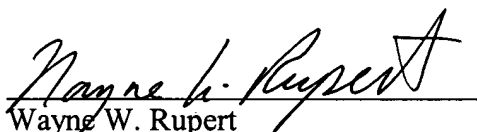
Listed on the accompanying Form PTO-1449 are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Applicants filed this Information Disclosure Statement ("IDS") within three months of the date of entry of the national stage as set forth in § 1.491 in an international application. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this IDS is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By   
Wayne W. Rupert  
Registration No. 34,420

One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, Oregon 97204  
Telephone: (503) 226-7391  
Facsimile: (503) 228-9446

cc: Docketing

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Attorney Docket Number	245-65853-02
Application Number	To be assigned
Filing Date	Herewith
First Named Inventor	John F. Wager III
Art Unit	To be assigned
Examiner Name	To be assigned

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
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		4,160,678	10 July 1979	Jain et al.
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		5,871,630	16 Feb 1999	Bhattacharya et al.
		5,948,176	07 Sept 1999	Ramanathan et al.

EXAMINER  
SIGNATURE:DATE  
CONSIDERED:

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## **U.S. PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		5,981,868	09 Nov 1999	Kushiya et al.
		6,023,020	08 Feb 2000	Nishitani et al.
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		US 2002/0096206 A1	25 July 2002	Hamakawa et al.

## **FOREIGN PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee

## **OTHER DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	
		Kazmerski, "Photovoltaics R&D in the United States: Positioning for Our Future," <i>National Renewable Energy Laboratory</i> , 29 <sup>th</sup> IEEE PV Specialists Conference, New Orleans, Louisiana, May 20-24, 2002
		Park et al., <i>Applied Physics Letters</i> 80(23):4393-4394, 2002
		Shah et al., <i>Science</i> 285:692-698, 1999

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